

PROJECT: Midnite Mine Remediation**REPORT NO:** 2021-02**OWNER:** Newmont/Dawn Mining**OPERATOR:** Newmont/Dawn Mining**SUMMARY OF WORK ACTIVITIES OR EVENTS FOR THIS REPORTING PERIOD:**

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period April 2 - 8, 2021. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: (b) (6)

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period April 2 - 8, 2021			
FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		
Comments: (b) (4)			

COMMUNITY LIAISON

- Working internally to submit a request for road closure of BIA Road 55-east access down blue creek during effluent line installation.
- Vehicle ID#'s policy out for internal review and the draft being followed. Expected to submit a statement to Mr. Sherwood for community notification this week.
- Working with Rhonda when she gets back to her office this week about a coordinated visit to site by tribal council.
- Mr. Sherwood to escort Budinger down the west blue creek campground access road Monday.
- Community notification for transport of equipment by Budinger on 4-12.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS**Weekly Progress Meeting:**

The following stakeholders attended the Weekly Construction Progress meeting via a conference call on Wednesday, 07 April 2021 at 10:00;

- EPA
- Spokane Tribe of Indians
- Jacobs

- Army Corps of Engineers (USACE)
- Dawn Mining Company (DMC)/Newmont
- WME
- Stantec
- AJAX

Meeting Action Items:

- None.

EPA Plan/Document Approvals:

- EPA approved the following:
 - Blue Creek Effluent Pipeline Alternative Alignment Geotechnical Investigation Work Plan
 - Pit 3 Rockfall Work Plan

Regulatory Site Visit(s):

- Mark Fillius, USACE, was on Site on 2 APR and 5-8 APR.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of April 2 - 8, 2021, the following activities were conducted:

- Newmont continued excavating, hauling and placing low activity/low reactivity material from the west side of the South Waste Rock Pile (SWRP) and high activity/high reactivity material from Protore Stockpile 4 to Pit 4. A small amount of material was also excavated from the Pit 4 Overburden Pile. Material from the SWRP and Pit 4 Overburden Pile were placed along the outside perimeter of the Pit 4 Waste Containment Area (WCA) with Stockpile 4 material placed in the middle of the WCA in accordance with the design and specifications. Estimated quantities, based on load counts, are presented in Table 1.
- SLV Earthmovers screened material from the Hillside Waste Rock Pile (HSWRP) to produce Drain Gravel and Geomembrane Bedding Material. Material was processed by screening only due to road restrictions delaying mobilizing the jaw crusher. Collection of Quality Control samples began. Produced materials were hauled to stockpile locations designated in the 2021 Crushing and Stockpiling Work Plan (Stantec, 2021). Estimated quantities of materials produced are presented in Table 1.

Table 1 – 2021 Production Estimates

Material	Reporting Period			Year-to-date		
	Planned Production (yd ³)	Estimated Volume ¹ (yd ³)	% of Planned	Planned Production (yd ³)	Estimated Volume ¹ (yd ³)	% of Planned
Haulage to Pit 4						
SWRP	17,919	36,540	204%	35,839	71,736	200%
Stockpile 4	67,333	37,492	56%	67,333	49,560	74%
HSWRP	2,128	308	14%	2,128	2,212	104%
Pit 4 Overburden	4,651	644	14%	9,302	644	7%
Total	92,032	74,984	81%	114,603	124,152	108%
Aggregate Production						

Material	Reporting Period			Year-to-date		
	Planned Production (yd ³)	Estimated Volume ¹ (yd ³)	% of Planned	Planned Production (yd ³)	Estimated Volume ¹ (yd ³)	% of Planned
Drain Gravel	8,500	2,072	24%	17,000	3,892	23%
Liner Bedding	2,153	0	0%	4,305	0	0%
Geomembrane Bedding	8,500	3,780	44%	17,000	5,320	31%
Total	19,153	5,852	31%	38,305	9,212	24%

1 - Truck load assumed to be 28 yd³

- Newmont drained the South Pond East Cell and transferred water from the South Pond West Cell to Pit 3. Gary Arndt, Vikek Environmental Engineers, reviewed the pond liner installation on 7 APR and provided recommendations on addressing leakage through the primary liner.
- Newmont completed removing timber from the South CSZ and hauling the timber to the stockpile in Pit 4 and started removing timber from Ore Stockpile 3.
- Stantec performed Method 22 visual dust monitoring at the screening operation on the HSWRP on 5 APR. No dust was observed, so EPA Method 9 visible emissions observations were not performed.
- Stantec performed South Pond Embankment Stability inspection on 8 APR. The embankment remains stable and movement monitoring points remain within tolerance.
- A Preconstruction Coordination Meeting was conducted on 6 APR for the Pit 3 rockfall protection installation. Representatives from Newmont, HiTech Rockfall Protection, AJAX, Stantec and WME attended the meeting. Newmont anticipates Hitech mobilizing on 19 April 2021.
- A Preconstruction Coordination Meeting was conducted on 7 APR for the South CSZ topsoil pile relocation and mine waste removal. Representatives from Newmont, USACE, Envirocon, AJAX, Stantec, and WME attended the meeting. Newmont anticipates receiving "clean" gravel on 19 -23 April and begin construction on the South CSZ on 26 April 2021
- Newmont hosted an initial coordination meeting with Newmont, Halme Construction, AJAX, and Stantec on 8 APR to coordinate the preparation of work plans for the installation of the Blue Creek Effluent Pipeline and construction of the New Access Road.

Stormwater Pollution Prevention Plan (SWPPP)

- Stantec performed weekly SWPPP inspection on 8 and 9 APR. No new BMPs or maintenance activities identified.
- Stormwater Best Management Practice (BMP) measures were installed in the South CSZ in timber removal areas.

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- None.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None.

The following equipment was demobilized from the Site during this reporting period.

- None.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None.

CONSTRUCTION QUALITY ASSURANCE

Dust Control and Monitoring

All six dust monitors operated on site at the locations and for the time intervals listed in Table 1 below. There was no exceedance of the TSP action level during this time-period.

Table 2 - TSP Dust Monitoring Locations during reporting period April 2 - 8, 2021

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	Spare								
ES-5 (roving)	Northeast of the Mid-SWRP	03/24/21	D/N			D/N	D/N	D/N	D/N
ES-6 (roving)	East of HSWRP above High Road	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Northeast of HSWRP at Pit 4	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation O=Off - Special Circumstances * Equipment malfunction (Battery/Power Supply or Other)									

Project Documentation

Project CQA-CQC Field Acceptance Forms, Engineering Change Notices (ECNs), Design Clarification Notices (DCNs), Non-Compliance Notifications (NCNs), Requests for Information (RFIs), Submittals, and Other Items received during this time-period are shown in the table below:

CQA Documentation

CQC-CQA Field Acceptance Forms			
Acceptance No.	Title		CQC-CQA Issue Date
None			
Project DCNs			
DCN No.	Title	Submittal Date	EPA Response Date
None			
Project ECNs			
ECN No.	Title	Submittal Date	EPA Response Date
2021-01	Monitoring and Control of Phreatic Levels in the South Pond Embankment	3/19/2021	TBD
Notice of Non-Compliance			
NNC No. and Dates	Title/Description	CQA	CQA/EPA Response Date(s)

NNC 2020-01 11/5/2020	South Pond Emergency Spillway Grout	Close-out TBD	NNC 2020-01 Close-out Pending May 2021 Construction of Supplemental GCS at GCS-04
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA/EPA Response Date(s)
None			
Submittals			
Submittal No.	Title	CQC Submittal Date	CQA/EPA Response Date(s)
01018-42	2020 End of Year Survey Data	2/2/2021	CQA Acceptance 2/11/2021 EPA: TBD
Other Items			
Item	Title	Comments	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2020 CQA Folder.

Site Inspections

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- Initial Coordination Meeting with High Tech Rockfall on 4-6-2021 – Installation of Pit 3 Rockfall Protection.
- Preparatory/Pre-Construction meeting on 4/7/2021 for the South Construction Support Zone - Excavation and Relocation of Southwest Topsoil Stockpile and Removal of Mine Waste Materials.
- Initial Coordination Meeting with Halme Construction on 4/8/2021 – Effluent Pipeline Construction.

Initial Phase Inspections

None during this time-period.

Follow-up Phase and Ongoing Inspections

- Ongoing South Pond Liner Leak Investigation.
- Observations with regard to placement of excavated low activity/low reactivity (mid-SWRP) and unclassified mine waste (SP-4) into Pit 4.
- Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report. There were no outstanding issues identified by CQA during this reporting period.

Completion Inspections

None during this time-period.

THREE WEEK LOOKAHEAD SCHEDULE

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:
<u>Andrew Liffing, P.E.</u> <u>Project Construction Director</u>
Attachments

- | |
|---|
| <ul style="list-style-type: none">• Attachment A – Midnite Mine 3 Week Lookahead Schedule |
| Photos of pertinent items are provided below. |



Photo 1 – Pit 4 Overburden material being dozed to the east for load out.



Photo 2 – Overview of Pit 4 - Looking to the South Placement of Low Activity/Low Reactivity Mid-SWRP Material



Photo 3 – Excavation of Mid-SWRP Material Looking to the South



Photo 4 – Transferring Water from East Cell to the West Cell at the South Pond



Photo 5 – Load-Out at Ore Stockpile SP-4 Looking South – 4-8-2021



Photo 6 – Screening Activities at the HSWRP Looking Southwest – 4-8-2021

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

